

Title	Demonstrate and apply knowledge of law and practice for the transport of Dangerous Goods by road		
Level	3	Credits	5

Purpose	<p>The purpose of this unit standard is to specify the knowledge and skills required to safely transport Dangerous Goods by road.</p> <p>These knowledge and skills are also relevant to people working in the road transport industry such as loaders handling Dangerous Goods.</p> <p>People credited with this unit standard are able to:</p> <ul style="list-style-type: none"> – identify the scope of the Rule; – identify driver and loader responsibilities relating to the transport of Dangerous Goods; – identify and explain documentation requirements relating to the transport of Dangerous Goods; – identify the requirements for packages containing Dangerous Goods in Limited Quantities (DGLQ), consumer commodities, small packages, and excepted packages; – demonstrate knowledge of segregation requirements and segregate Dangerous Goods; – demonstrate knowledge of placarding requirements and placard vehicles and freight containers containing Dangerous Goods; and – identify driver actions and considerations in the event of an incident or emergency.
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Classification	Driving > Driver Licence Endorsements
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Available grade	Achieved
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Guidance Information

1 Definitions

Cleaned means for all dangerous goods, that the container is free of dangerous residue of the substance to the satisfaction of the relevant regulatory authority;

Dangerous Goods are substances or articles specified in table A of the Land Transport Rule: Dangerous Goods 2005; and substances or articles declared by the relevant regulatory authority to be dangerous goods for transport including packaging and empty containers that have not been cleaned after containing dangerous goods.

Driver and *loader* can be the same person. There are responsibilities attached to both roles that are combined if a driver loads his/her own vehicle;

Relevant regulatory authority means the New Zealand authority having statutory control over a particular class of Dangerous Goods, such as the Ministry of Health's Office of Radiation Safety, or WorkSafe New Zealand or the Environmental Protection Authority;

Segregate means loading specified Dangerous Goods in separate freight containers or on separate vehicles, or separating them horizontally by at least three metres from other specified goods on the same vehicle with the correct use of approved segregation devices when required;

Special marks means any of the following marks or symbols on packaging, containers, vehicles, portable tanks, or freight containers:

- (a) the elevated temperature mark;
- (b) the environmentally hazardous substance mark; or
- (c) orientation arrows.

- 2 Legal and regulatory requirements relevant to this unit standard include:
Health and Safety at Work Act 2015;
Hazardous Substances and New Organisms Act 1996 (HSNO);
Health and Safety at Work (Hazardous Substances) Regulations 2017;
Land Transport Act 1998;
Land Transport Rule: Dangerous Goods 2005 (the Rule);
NZS 5433 Parts 1 and 2:2012 Transport of dangerous goods on land;
International Air Transport Association (IATA) Dangerous Goods Regulations;
International Maritime Dangerous Goods (IMDG) Code;
Dangerous Goods - Initial Emergency Response Guide SAA/SNZ HB 76:2010.
- 3 Any new, amended or replacement Acts, regulations, Rules, standards, codes of practice, or NZTA requirements or conditions affecting this unit standard will take precedence for assessment purposes, pending review of this unit standard.
- 4 People who want to assess against this unit standard to qualify candidates for driver licence endorsement D (Dangerous Goods) must be registered with the New Zealand Transport Agency (NZTA) as Approved Course Providers and use assessment material that has been pre-approved by the NZTA and MITO New Zealand Incorporated.
- 5 Once candidates have achieved credit for this unit standard, and received an NZTA course completion certificate, the candidate may then apply to an NZTA driver licensing agent to have a D endorsement (Dangerous Goods) added to their driver licence. The Recognition of Current Competency (RCC) assessment process does not apply to this unit standard.
- 6 All evidence presented for assessment must be in accordance with the Rule.
- 7 Use of reference material is permitted during assessment.

Outcomes and performance criteria

Outcome 1

Identify the scope of the Rule.

Performance criteria

1.1 Identify the classes and divisions of Dangerous Goods (excluding divisions of Class 1 Explosives) included in the Rule.

Range name, class and division number, class label, type of hazard.

1.2 Identify the limitations of the D endorsement.

Range Class 1 Explosives, Dangerous Goods in bulk.

1.3 Identify the requirements covering empty receptacles that have contained Dangerous Goods.

Range empty uncleaned, empty cleaned.

Outcome 2

Identify driver and loader responsibilities relating to the transport of Dangerous Goods.

Performance criteria

2.1 Identify driver responsibilities relating to the transport of Dangerous Goods.

Range vehicle parking, load security, stopping at level crossings, documentation, emergency response information, D endorsement, vehicle placarding, segregation, responsibilities in the event of an incident or emergency.

2.2 Identify loader responsibilities relating to the transport of Dangerous Goods.

Range checking packages before loading, segregation, load security, documentation, vehicle placarding.

Outcome 3

Identify and explain documentation requirements relating to the transport of Dangerous Goods.

Performance criteria

3.1 Identify and explain the purpose of Dangerous Goods documentation.

Range Dangerous Goods declaration, DGLQ declaration, consumer commodities declaration, load plan, schedule of quantities, container/vehicle packing certificate, emergency response information, maritime declaration, IATA declaration.

3.2 Identify the circumstances when documents must be carried on a vehicle.

Range Dangerous Goods declaration, load plan, container/vehicle packing certificate, emergency response information.

3.3 Identify the location requirements of Dangerous Goods documentation.

Range carried in vehicles, disconnected trailers.

Outcome 4

Identify the requirements for packages containing Dangerous Goods in Limited Quantities (DGLQ), consumer commodities, small packages, and excepted packages.

Performance criteria

4.1 Identify the vehicle load limits for small packages and excepted packages.

4.2 Identify the marking requirements for packages containing DGLQ, consumer commodities, small packages, and excepted packages.

Outcome 5

Demonstrate knowledge of segregation requirements and segregate Dangerous Goods.

Performance criteria

5.1 Explain segregation dispensations.

Range gas cylinders, aerosols, explosives of division 1.4.

5.2 Identify the circumstances when approved segregation devices may be used.

5.3 Segregate Dangerous Goods.

Range primary risk, subsidiary risk, using a segregation device, strong acids and strong alkalis, acids and cyanides, food items.

Outcome 6

Demonstrate knowledge of placarding requirements and placard vehicles and freight containers containing Dangerous Goods.

Performance criteria

6.1 Identify the threshold quantities when placarding is required.

6.2 Identify the circumstances when placards must be removed or covered.

6.3 Placard vehicles and freight containers carrying Dangerous Goods.

Range placards include but are not limited to – Dangerous Goods placards, special marks, mixed loads, emergency information panel;

vehicles and freight containers include – rigid vehicle, combination vehicle, tank wagon, disconnected trailer, portable tank, freight container.

Outcome 7

Identify driver actions and considerations in the event of an incident or emergency.

Performance criteria

7.1 Identify driver actions in the event of an incident or emergency.

Range may include but is not limited to – isolating the vehicle, securing the scene, offering assistance, retrieval of documents, contacting emergency services, provision of information for emergency services, reporting.

7.2 Identify driver considerations in the event of an incident or emergency.

Range includes but is not limited to – the effects of wind, location of bystanders, the effects of low lying areas.

Planned review date	31 December 2022
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	23 July 1999	31 December 2011
Review	2	27 August 2002	31 December 2011
Review	3	25 July 2006	31 December 2011
Review	4	19 November 2010	31 December 2019
Review	5	23 November 2017	N/A

Consent and Moderation Requirements (CMR) reference	0092
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact MITO New Zealand Incorporated info@mito.org.nz if you wish to suggest changes to the content of this unit standard.